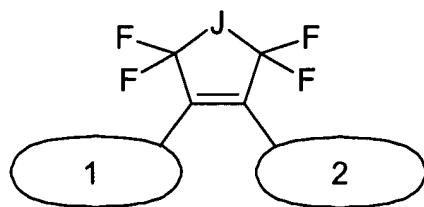


AMENDMENTS TO THE CLAIMS:

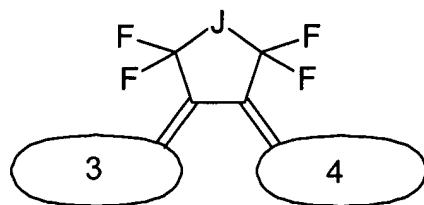
This listing of claims will replace all prior versions, and listings, of claims in the application:

1-9. canceled

10. (previously presented) A material given by Formula I and Ib:



Formula I

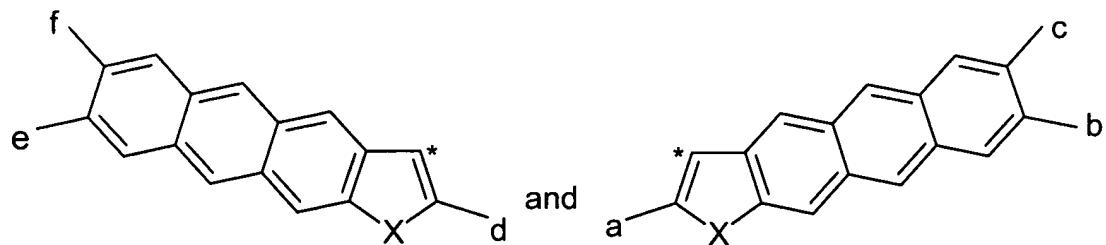
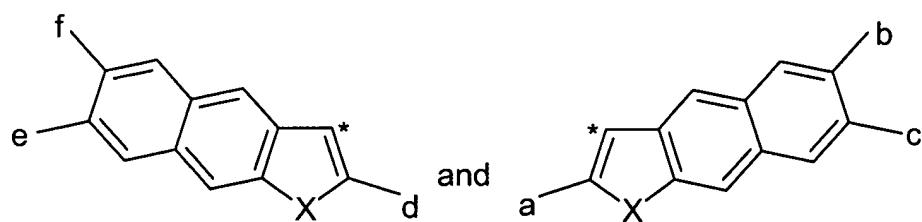
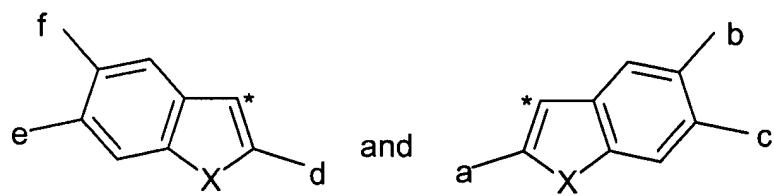
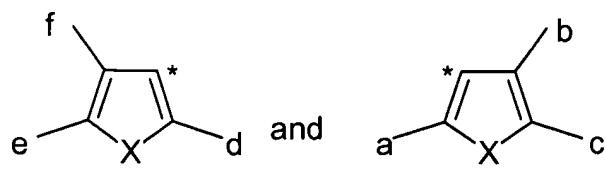


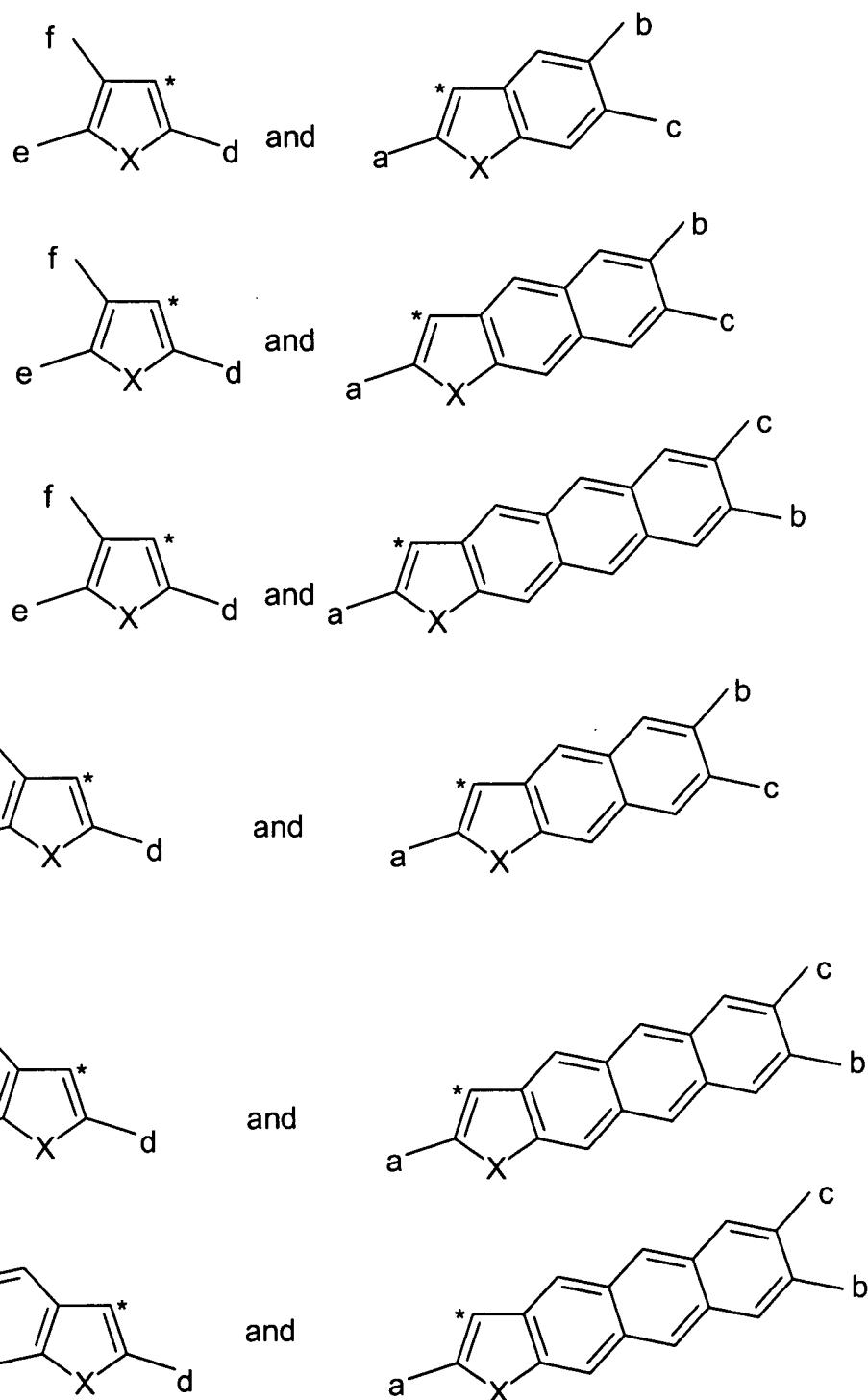
Formula Ib

Wherein the

and

groups are chosen respectively from the following:

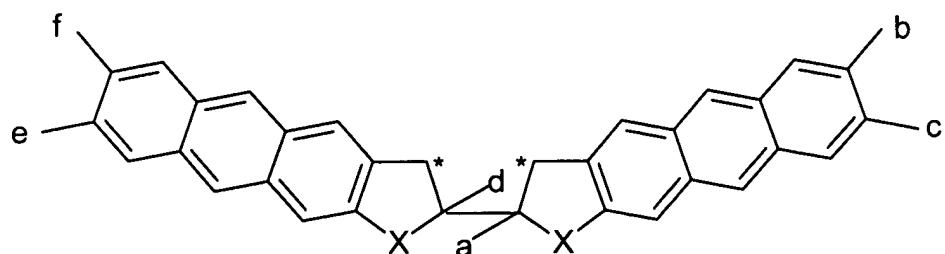
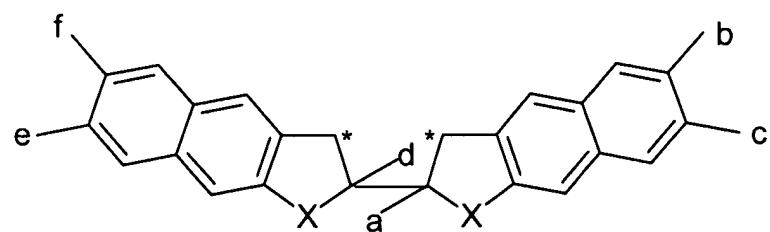
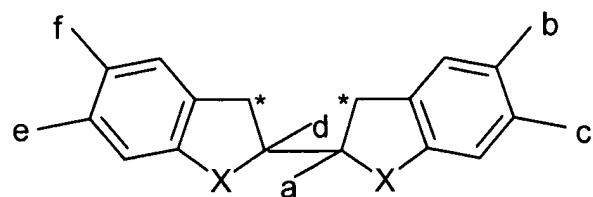
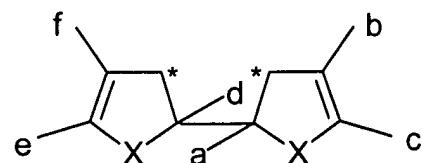


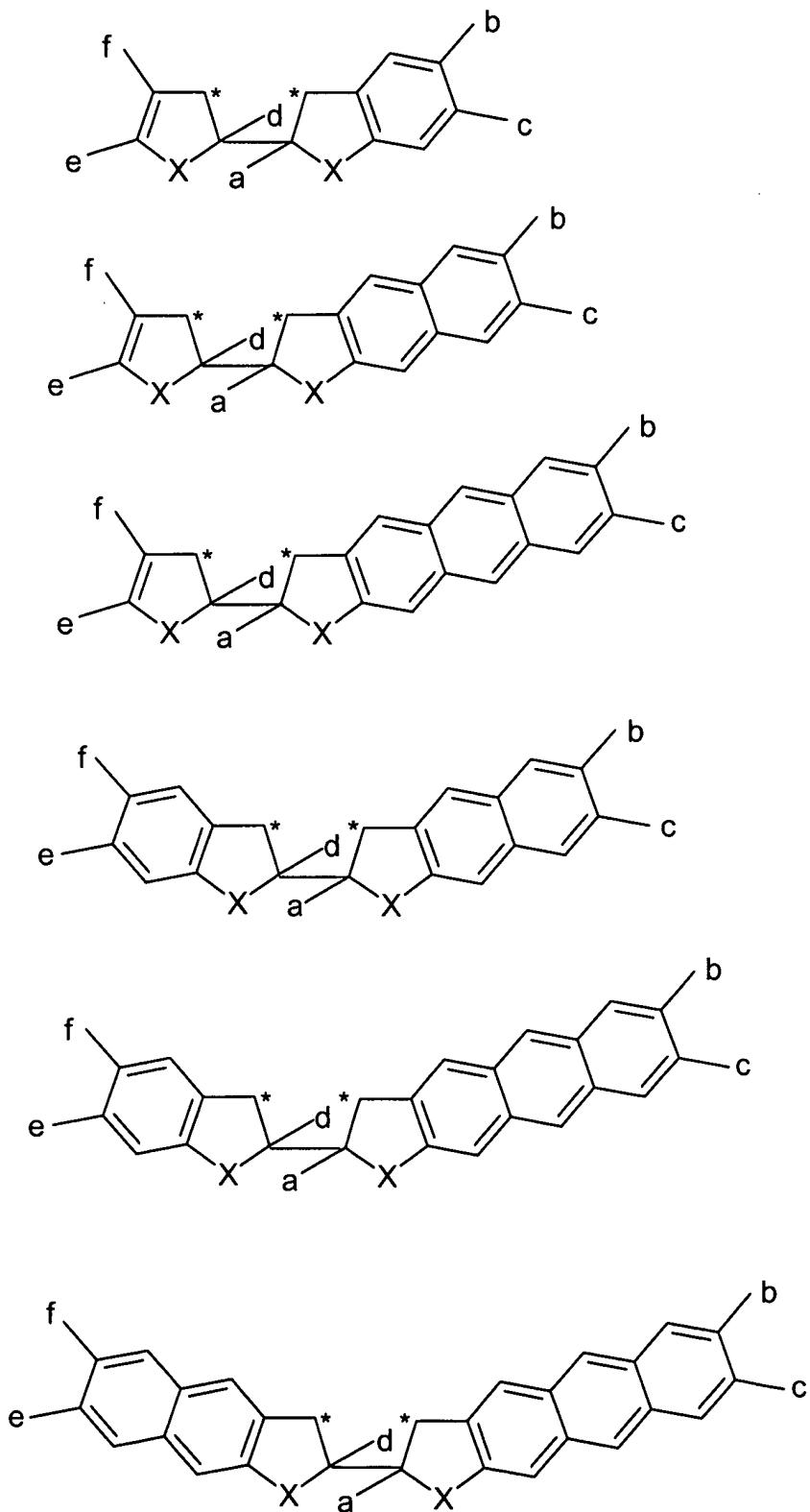


wherein

(3) and (4)

are together chosen from:





* indicates the point of attachment to Formula I or Formula Ib;

the phenyl groups in

1

2

3

4

may independently of each other be replaced by pyridine and pyrimidine groups;

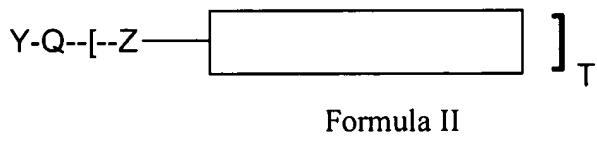
wherein X is selected from S, O, NH, Se, CH₂, P;

wherein J is selected from CF₂, CH₂, CFH, NR⁹ wherein R9 is selected from H, C1-40 branched or straight chain alkyl wherein one or more of the CH₂ groups may be replaced by O, CH and the terminal CH₃ group may be replaced by a CH₂ group or an SH, OH, COOH, CHO, O₂CCHCH₂ or O₂CC(CH₃) CH₂ group;

wherein a and d are independently selected from CH₃, CF₃, CH₂CH₃, OCH₃, OCH₂CH₃ or Formula II;

b,c,e and f are independently selected from H, Formula II or C1-40 branched or straight chain alkyl wherein one or more of the CH₂ groups may be replaced by O, CFH, CF₂, CH and the terminal CH₃ group may be replaced by a CH₂ group or an SH, OH, CF₃, COOH, CHO, O₂CCHCH₂ or O₂CC(CH₃) CH₂ group

wherein Formula II is given by:

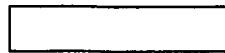


wherein Y is selected from O, -CO₂-, O₂C, S, CH₂, or a single bond;

Q is selected from (CH₂)_n, n is 1-20 or (CH₂)_m-[Si(L2)-O]_q-Si(L2)-(CH₂)_p- where m is 2-20, p is 2-20, q is 1-12 and the L groups are independently of each other selected

from CH₃, CF₃, H;

Z is O or CO₂ or O₂C or CH₂ or a single bond;



is a mesogenic group;

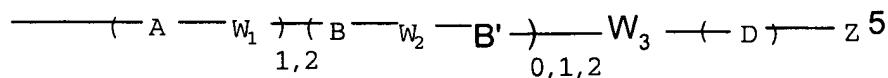
T is 1 or 2 or 3;

when T is 2 then Q may also be selected from (CH₂)_gN((CH₂)_r)₂, (CH₂)_gSi(CH₃)((CH₂)_r)₂, (CH₂)_gP((CH₂)_r)₂, (CH₂)_gGe(CH₃)((CH₂)_r)₂, wherein the values of g and r are independently selected from 1-20;

when T is 3 then Q may also be selected from (CH₂)_{g'}Si((CH₂)_{r'})₃, and (CH₂)_{g'}Ge((CH₂)_{r'})₃; wherein the values of g' and r' are independently selected from 1-20;

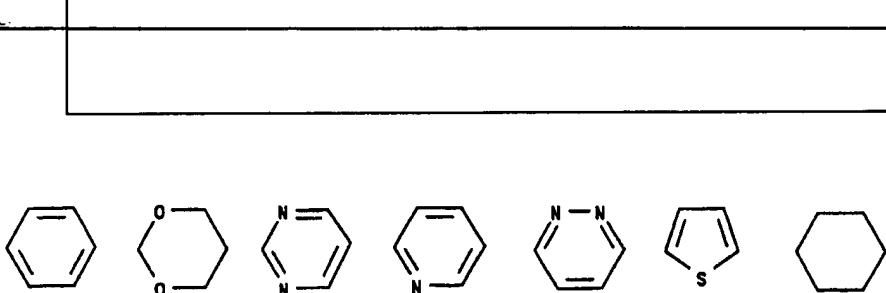
provided that at least one of a,b,c,d,e,f are selected from Formula II.

11. (currently amended) A material according to claim 10 wherein the mesogenic group is given by Formula III:



Formula III

A, B, B' D are selected from the following rings:



the above rings may be substituted with one or more of the following substituents in at least one of the available substitution positions: F, Cl, Br, CH₃, CN, OR, R and NCS where R is given by C₁₋₁₆ branched or straight chain alkyl; B' may also be selected from single bond;

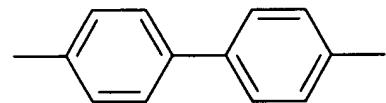
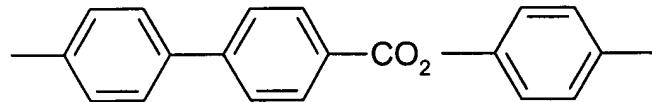
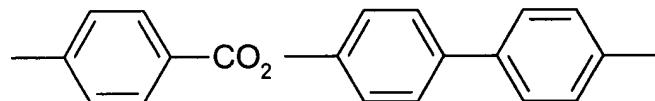
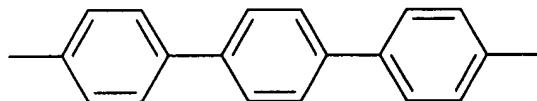
Z⁵ is selected from CN, F, Cl, NO₂, R, OR, CO₂R, CF₃, OOCR, NCS, SCN, where R = straight chain or branched chain alkyl and may include from 1-16 carbon atoms and including where one or more non-adjacent CH₂ groups may be substituted by CH(CN), CH(CF₃), CH(Cl), CH(CH₃) in chiral or non-chiral form and one or more non-adjacent CH₂ groups may be substituted by CH such that there is a double bond present and the terminal CH₃ group may be replaced by a CH₂ group;

provided that the total number of rings present is not greater than 4;

W₁ and W₂ and W₃ are independently selected from COO, OCO, single bond, CH₂CH₂, CH₂O, OCH₂, O, S, CH=CH, C=C, OCO(CH₂)_x, COO(CH₂)_x wherein x is 1-4.

12. (previously presented) A material according to claim 10 wherein the mesogenic group or at least a part of the mesogenic group is given by the cholesteryl group or a derivative of the cholesteryl group.

13. (previously presented) A material according to claim 10 wherein the core of the mesogenic group is chosen from the following:



wherein in each of the mesogenic groups, one or two or three of the phenyl rings may be, independently of each other, replaced by cyclohexyl, pyrimidine or pyridine and the cyclohexyl groups and phenyl groups may independently of each other be substituted in one or two or three positions with F, the CO₂ group may also be replaced with O₂C or C=C.

14. (previously presented) A liquid crystal mixture comprising at least one compound of claim 10.

15. (previously presented) An electro-optic device comprising at least one compound of claim 10.

16. (previously presented) An electro-optic device comprising a mixture as defined in claim 14.

17. (previously presented) A device according to claim 15 wherein the electro-optic device is a liquid crystal device.

18. (previously presented) A device according to claim 16 wherein the electro-optic device is a liquid crystal device.

19. (previously presented) A device according to claim 15 which is multiplex addressed or is addressed by light.

20. (previously presented) A device according to claim 16 which is multiplex addressed or is addressed by light.